

ATTACHMENT 4. BUDGET

This attachment provides a summary budget table (Table 9 from the PSP) for the East Stanislaus 2015 Grant Application and the three projects contained in this application. Also included are more detailed, individual project budgets (Table 8 from the PSP) plus one-page descriptions as to why the project proponents feel these budgets are reasonable based on currently available information.

The total cost of this application is \$95,620,062. Of this amount, \$87,195,122 (~91%) is provided as non-state funding match, \$1,750,502 (or ~2%) of project costs will come from other State funds (a Prop 84 Round 4 Drought Grant award), and \$6,674,438 (or ~7%) is being requested from the State through the Proposition 84, 2015 IRWM Implementation Grant Program. Table 4-1 displays the overall costs for this grant application. Detailed cost estimates for each of the projects contained in this application follow. The specific work items shown in Attachments 3 and 5, the Work Plan and Schedule, are reflected in the detailed cost estimates.

Table 4-1: Summary Budget Table

Table 9: Summary Budget (from PSP)						
Proposal Title: East Stanislaus 2015 Grant Application						
		(a)	(b)	(c)	(d)	(e)
	Individual Project Title	Requested Grant Amount	Cost Share: Non-State Fund Source	Cost Share: Other State Fund Source	Total Cost	% Funding Match
(a)	Grant Administration Project	\$200,000	\$0	\$0	\$200,000	0%
(b)	North Valley Regional Recycled Water Program	\$2,011,890	\$86,955,881	\$1,750,502	\$90,718,273	96%
(c)	Area 2 Stormwater to Sanitary Sewer Cross Connection Removal Project	\$4,462,548	\$239,241	\$0	\$4,701,789	5%
(d)	Proposal Total	\$6,674,438	\$87,195,122	\$1,750,502	\$95,620,062	91%
(e)	DAC Funding Match Waiver Total**	\$0	\$0	\$0	\$0	0%
(f)	Grand Total (Subtract row (j) from row (i) and recalculate column (e))	\$6,674,438	\$87,195,122	\$1,750,502	\$95,620,062	91%
* These projects are requesting a funding match waiver.						
** This value reflects the total cost of the projects requesting a funding match waiver less the amount of local matching funds.						

Project 1: Grant Administration Project (City of Modesto)

Budget Category (a) Direct Project Administration

The budget was determined by estimating the level of effort administration required provide grant administration support for the projects in this application. Activities include program communications and coordination, invoicing the Department of Water Resources (DWR) for reimbursement, submitting progress reports and project completion reports, and tracking project performance monitoring and labor compliance program implementation. Estimated hours to complete these tasks are multiplied by an estimated hourly rate appropriate to those that would be expected to complete them. For the purposes of estimating the cost, it is assumed an Associate Engineer will complete these tasks.

Budget Category (b) Land Purchase/Easement

Not applicable.

Budget Category (c) Planning/Design/Engineering/Environmental Documentation

Not applicable.

Budget Category (d) Construction/Implementation

Not applicable.

Table 4-2: Project Budget for the City of Modesto Grant Administration Project

Table 8 – Project Budget (from PSP)					
Proposal Title: East Stanislaus 2015 Grant Application					
Project Title: Grant Administration Project					
Project serves a need of a DAC? No					
Funding Match Waiver Request? No					
Budget Category		(a) Requested Grant Amount	(b) Cost share: Non-State Fund Source*	(c) Other State Fund Source*	(d) Total Cost
(a)	Direct Project Administration	\$200,000	\$0	\$0	\$200,000
1	Agreement Administration	\$61,880	\$0	\$0	\$61,880
2	Invoicing	\$29,490	\$0	\$0	\$29,490
3	Progress Reports and Project Completion Report(s)				
3a	Progress Reports	\$31,210	\$0	\$0	\$31,210
3b	Grant Completion Reports	\$17,450	\$0	\$0	\$17,450
4	Performance Monitoring and Tracking	\$30,200	\$0	\$0	\$30,200
5	Labor Compliance Tracking	\$29,770	\$0	\$0	\$29,770
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/ Environmental Documentation	\$0	\$0	\$0	\$0
(d)	Construction/Implementation	\$0	\$0	\$0	\$0
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$200,000	\$0	\$0	\$200,000
*List sources of funding: Prop 84 2015 Implementation Grant Funding					

Project 2: North Valley Regional Recycled Water Program (City of Modesto)

The City of Modesto is requesting a total of \$2,011,890 of grant funding to implement the NVRRWP. The total projected cost is \$90,718,273, which includes a funding match of \$86,955,881 (96% funding match) from non-State funding sources and \$1,750,502 (2% funding match) from other State funding sources. The majority of the work to be completed as described in the Work Plan (Attachment 3) will be completed by consultants and contractors (Category D). Tasks under Category A (Tasks 1 and 3) and Category C (Task 9) will be completed by the City of Modesto. The following describes the basis for the costs of the categories of tasks included Table 4-3: , below.

Budget Category (a) Direct Project Administration

Project Management (Task 1), and Reporting (Task 3) will be completed by the City of Modesto. Costs for these tasks were calculated based on estimated hours to complete the task by City staff. For the purposes of estimating, it is assumed an Associate Engineer will complete these tasks. The City of Modesto will be the construction contracting entity and currently uses an approved Labor Compliance Program (LCP), so Task 2 (Labor Compliance Program) is complete and no budget is required for this task. Implementation of the Labor Compliance Program is included in Construction Administration (Task 11).

Budget Category (b) Land Purchase/Easement

Easements (Task 4) will be required for portions of the recycled water pipelines. As part of the NVRRWP Facilities Plan, a construction cost estimate was prepared. This estimate included an estimated cost of \$217,500 for land purchase based on a unit cost per square foot of land and estimated land to be acquired based on the preliminary assessment.

Budget Category (c) Planning/Design/Engineering/Environmental Documentation

The NVRRWP Feasibility Study (Task 5) and other supporting studies were completed by consultants; costs in the budget are based on consultant invoices and contracts. The cost for the EIR/EIS (Task 6) is based on fees incurred by the project consultant. Costs for Permitting (Task 7), Design (Task 8), and the Project Performance Monitoring Plan (Task 9) are estimated on a fee estimate provided by a consultant.

Budget Category (d) Construction/Implementation

Contract Services (Task 10) will be completed by the contracting entity, expected to be the City of Modesto. For the purposes of the budget, it is assumed an Associate Engineer, Senior Civil Engineer, Administrative Analyst II, and Administrative Office Assistant III will complete that task. Hours were estimated based on similar projects. Construction Administration (Task 11) and Construction/Implementation Activities (Task 12) costs were estimated during preparation of the construction cost estimate for the NVRRWP Facilities Plan. It was prepared using construction cost curves based on historic bid results of similar projects within the region. A 30% construction contingency was included to account for unknown and unspecified conditions. As design continues, the contingency will be adjusted accordingly.

The following tables summarize the budget for the proposed scope of work outlined in Attachment 3, Work Plan.

Table 4-3: Project Budget for the North Valley Regional Recycled Water Project

Table 8 – Project Budget (from PSP)					
Proposal Title: East Stanislaus 2015 Grant Application					
Project Title: North Valley Regional Recycled Water Program					
Project serves a need of a DAC? Yes					
Funding Match Waiver Request? No					
Budget Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost share: Non-State Fund Source*	Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$0	\$150,000	\$0	\$150,000
1	Project Management	\$0	\$83,970	\$0	\$83,970
2	Labor Compliance Program	\$0	\$0	\$0	\$0
3	Reporting	\$0	\$66,030	\$0	\$66,030
(b)	Land Purchase/Easement	\$0	\$217,500	\$0	\$217,500
4	Land Purchase	\$0	\$217,500	\$0	\$217,500
(c)	Planning/Design/Engineering/Environmental Documentation	\$1,000,000	\$9,083,003	\$100,502	\$10,183,505
5	Feasibility Studies	\$0	\$1,509,636	\$0	\$1,509,636
6	Environmental Documentation	\$0	\$476,117	\$0	\$476,117
7	Permitting	\$0	\$195,252	\$0	\$195,252
8	Design	\$1,000,000	\$6,899,498	\$100,502	\$8,000,000
9	Project Performance Monitoring Plan	\$0	\$2,500	\$0	\$2,500
(d)	Construction/Implementation	\$1,011,890	\$77,505,378	\$1,650,000	\$80,167,268
10	Contract Services	\$0	\$7,268	\$0	\$7,268
11	Construction Administration	\$0	\$7,290,000	\$0	\$7,290,000
12	Construction /Implementation Activities	\$1,011,890	\$53,388,110	\$1,650,000	\$56,050,000
12a	Mobilization and Demobilization	\$0	\$470,000	\$0	\$470,000
12b	Site Preparation	\$0	\$250,000	\$0	\$250,000
12c	Construction	\$1,011,890	\$52,668,110	\$1,650,000	\$55,330,000
	Contingency	\$0	\$16,820,000	\$0	\$16,820,000
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$2,011,890	\$86,955,881	\$1,750,502	\$90,718,273
*List sources of funding: Prop 84 2014 Drought Grant funding; City of Modesto, Turlock, and DPWD local funds; in-kind services					

Project 3: Area 2 Stormwater to Sanitary Sewer Cross Connection Removal Project (City of Modesto)

The City of Modesto is requesting a total of \$4,457,548 of grant funding to implement the Modesto Area 2 Stormwater to Sanitary Sewer Cross Connection Removal Project to cover the full proposed cost. The majority of the work to be completed as described in the Work Plan (Attachment 3) will be completed by consultants and contractors (Category D). Tasks under Category A (Tasks 1 and 3) and Category C (Task 9) will be completed by the City of Modesto. The following describes the basis for the costs of the categories of tasks included Table 4-4 below.

Budget Category (a) Direct Project Administration

Project Management (Task 1), and Reporting (Task 3) will be completed by the City of Modesto. Costs for these tasks were calculated based on estimated hours to complete the task by City staff. For the purposes of estimating the cost, it is assumed an Associate Engineer will complete these tasks. The City of Modesto will be the construction contracting entity and currently uses an approved Labor Compliance Program (LCP), so Task 2 (Labor Compliance Program) is complete and no budget is required for this task. Implementation of the Labor Compliance Program is included in Construction Administration (Task 11).

Budget Category (b) Land Purchase/Easement

Land Purchase and/or Easements (Task 4) will not be required for this project. The City of Modesto currently owns the road right-of-ways where the bioretention and infiltration facilities would be constructed. The City also owns Roosevelt Park where infiltration facilities are proposed.

Budget Category (c) Planning/Design/Engineering/Environmental Documentation

The Modesto Area 2 Stormwater to Sanitary Sewer Cross Connection Removal Project Feasibility Study (Task 5) and necessary environmental documentation (Task 6) has been or is almost complete. Costs for Permitting (Task 7), Design (Task 8) and the Project Performance Monitoring Plan (Task 9) are estimated on a fee estimate provided by the City's consultant for the project.

Budget Category (d) Construction/Implementation

Contract Services (Task 10) will be completed by the contracting entity, expected to be the City of Modesto. For the purposes of the budget, it is assumed an Associate Engineer, Senior Civil Engineer, Administrative Analyst II, and Administrative Office Assistant III will complete that task. Hours were estimated based on similar projects. Construction Administration (Task 11) and Construction/Implementation Activities (Task 12) costs were estimated based on costs incurred during construction of Phase 1 of the Cross-Connection Removal Project and on estimated costs provided by the City's design engineer. A 30% construction contingency was included to account for unknown and unspecified conditions. As design continues, contingency will be adjusted accordingly.

The following tables summarize the budget for the proposed scope of work outlined in Attachment 3, Work Plan.

Table 4-4: Project Budget for the Modesto Area 2 Stormwater to Sanitary Sewer Cross Connection Removal Project

Table 8 – Project Budget (from PSP)					
Proposal Title: East Stanislaus 2015 Grant Application					
Project Title: Area 2 Stormwater to Sanitary Sewer Cross-Connection Removal Project					
Project serves a need of a DAC? Yes					
Funding Match Waiver Request? No					
Budget Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost share: Non-State Fund Source*	Other State Fund Source*	Total Cost
(a)	Direct Project Administration	\$90,008	\$0	\$0	\$90,008
1	Project Management	\$74,043	\$0	\$0	\$66,842
2	Labor Compliance Program	\$0	\$0	\$0	\$8,701
3	Reporting	\$15,965	\$0	\$0	\$14,465
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
4	Land Purchase	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$365,532	\$239,241	\$0	\$360,532
5	Feasibility Studies	\$0	\$239,241	\$0	\$0
6	Environmental Documentation	\$5,000	\$0	\$0	\$0
7	Permitting	\$869	\$0	\$0	\$869
8	Design	\$350,000	\$0	\$0	\$350,000
9	Project Performance Monitoring Plan	\$9,663	\$0	\$0	\$9,663
(d)	Construction/Implementation	\$4,007,008	\$0	\$0	\$4,007,008
10	Contract Services	\$14,750	\$0	\$0	\$14,750
11	Construction Administration	\$123,640	\$0	\$0	\$123,640
12	Construction /Implementation Activities				
12a	Mobilization and Demobilization	\$200,000	\$0	\$0	\$200,000
12b	Site Preparation	\$350,000	\$0	\$0	\$350,000
12c	Construction	\$2,673,848	\$0	\$0	\$2,673,848
	Contingency	\$644,770	\$0	\$0	\$644,770
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$4,462,548	\$239,241	\$0	\$4,701,789
*List sources of funding: Prop 84 2015 Implementation Grant Funding					